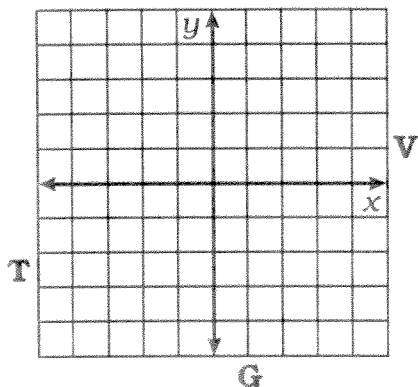


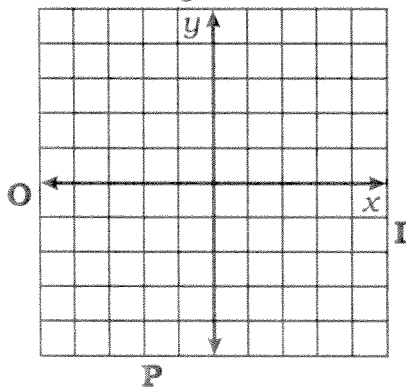
Which Member of Fred Ferd's Family Thinks He's a Pen?

Show the solution region for each system with crosshatching or shading. The crosshatching or shading, if extended, would cover a letter. Write this letter in each box with the exercise number.

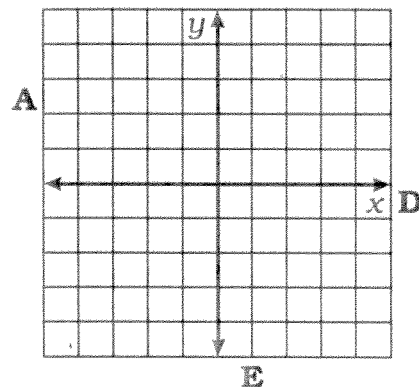
1. $y \geq \frac{3}{4}x - 2$
 $y \leq 1$



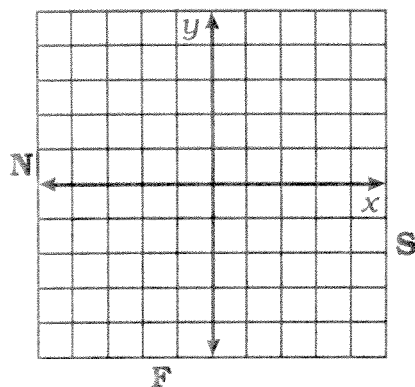
2. $y \geq -2x - 3$
 $y \leq \frac{1}{3}x + 2$



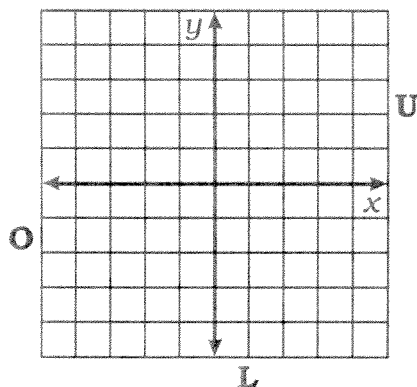
3. $y < \frac{3}{2}x + 3$
 $y < -x + 1$



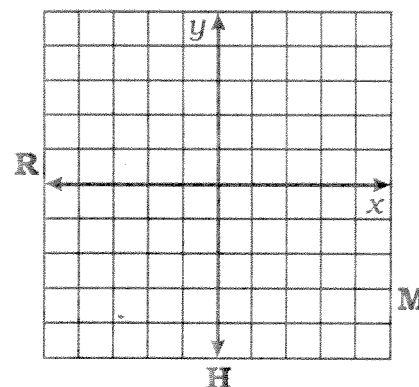
4. $y \leq x$
 $5x + 3y > -6$



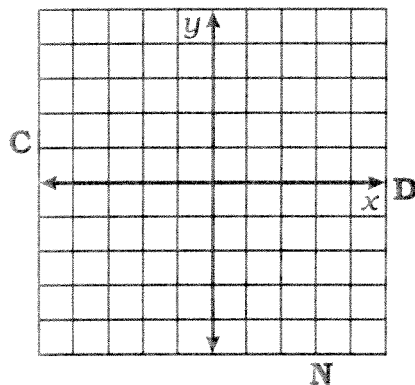
5. $y + 3 > 0$
 $-2x - 5y \geq 5$



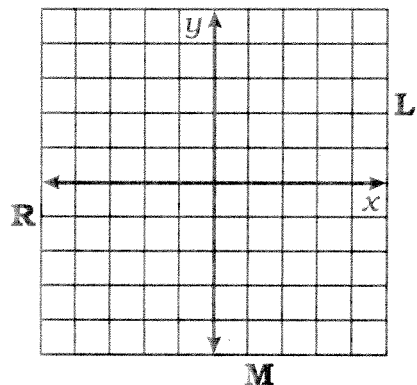
6. $x < 2$
 $x - 2y > 6$



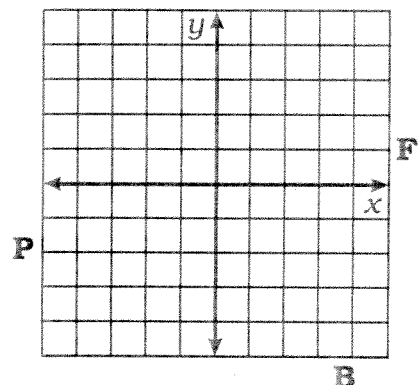
7. $8x + 12y < 24$
 $35x - 20y \leq 80$



8. $10x + 10y \leq 30$
 $y - 3x > 0$



9. $y + 2 \leq 0$
 $2 - x \leq 0$



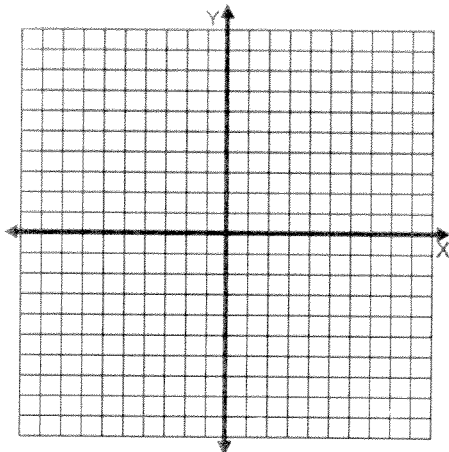
6	2	4	9	2	7	9	8	5	1	6	3	8
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SYSTEMS OF INEQUALITIES

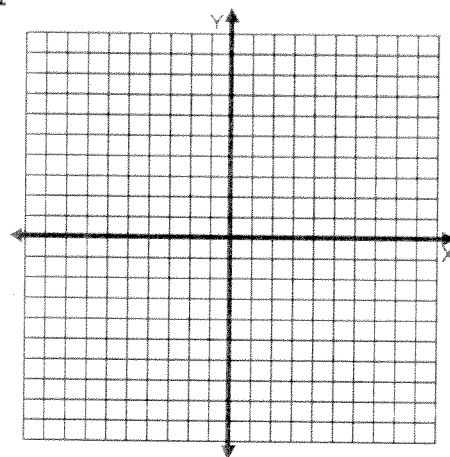
A **system of inequalities** is **two or more linear inequalities**.

The **solution** to a system of inequalities is the _____
of points that satisfies **both inequalities**.

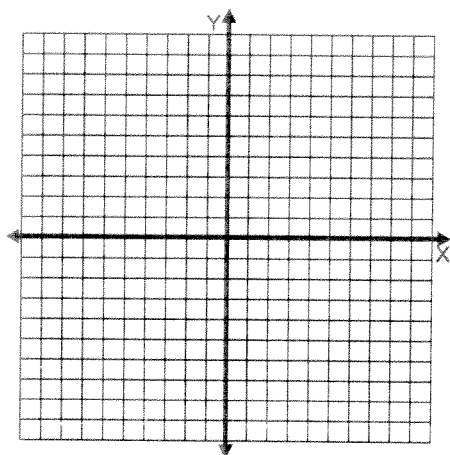
1. $x + y > -1$
 $x - y > 5$



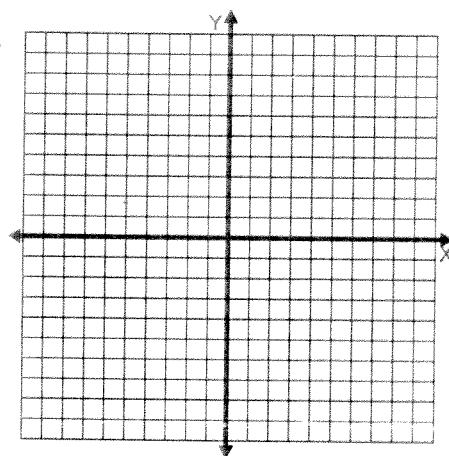
2. $-x + 3y < 21$
 $y \geq -x + 4$



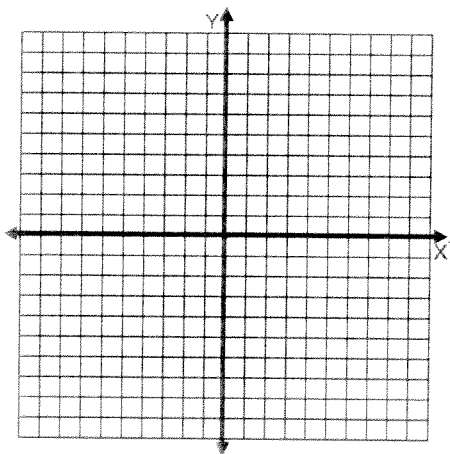
3. $x - 4y \leq 24$
 $2x - y \geq -1$



4. $x < -4$
 $3x + 2y \leq -2$



5. $4x - 5y \geq -35$
 $x + y > -2$



6. $6x + 4y > 12$
 $3x - 4y > 8$

